

## SEQUENCE LISTING

<110> NERI, Dario  
TARLI, Lorenzo  
VITI, Francesca  
BIRCHLER, Manfred

<120> SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY, CONJUGATES  
CONTAINING THEM AND THERAPEUTIC METHOD FOR TREATMENT OF  
ANGIOGENESIS

<130> SCH-1733P1

<140> 09/300,425  
<141> 1999-04-28

<150> 09/075,338  
<151> 1998-05-11

<160> 34

<170> PatentIn Ver. 2.1

<210> 1  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 1  
gcggcccaagc cggccatggc cgag

24

<210> 2  
<211> 54  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<220>  
<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown

<400> 2  
gaggctggcg gaccagctc atmnnnnnnnn ngctaaaggt gaatccagag gctg

54

<210> 3  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 3  
atgagctggg tccggccaggc tcc

23

<210> 4  
<211> 60  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: primer  
  
<220>  
<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown

<400> 4  
gtctgcgttag tatgtggtag cmmnnactacc mnnaatmnnt gagaccact ccagcccctt 60

<210> 5  
<211> 24  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: primer

<400> 5  
acatactacg cagactccgt gaag 24

<210> 6  
<211> 53  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: primer  
  
<400> 6  
tcattctcgat ttggggccg ctttgatttc caccttggtc cttggccaga acg 53

<210> 7  
<211> 47  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: primer  
  
<220>  
<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown  
  
<400> 7

gtttctgctg gtaccaggct aamnngctgc tgctaacact ctgactg

47

<210> 8  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 8  
ttagecctggt accagcagaa acc

23

<210> 9  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<220>  
<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown

<400> 9  
gccagtggcc ctgctggatg cmmnatagat gaggagcctg ggagcc

46

<210> 10  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 10  
gcatccagca gggccactgg c

21

<210> 11  
<211> 45  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 11  
gcggcccagc atgcatatggc cgaggtgcag ctgttggagt ctggg

45

<210> 12  
<211> 55  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<220>

<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown

<400> 12

ggttccctgg ccccagtagt caaamnnmnn mnnmnnttc gcacagtaat atacg

55

<210> 13

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 13

cgggcccaagc atgccatggc cgag

24

<210> 14

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 14

cccgctaccg ccactggacc catcgccact cgagacggtg accagggttc cctggccccca 60  
gtatgc 66

<210> 15

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 15

gatgggtcca gtggcggtag cggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60  
cc 62

<210> 16

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<220>  
<223> "n" at various positions throughout the sequence  
represent a, t, c, g, other or unknown

<400> 16  
caccttggtc ccttggccga acgtmnnncgg mnnmnnaccm nnctgctgac agtaatacac 60  
tgc 63

<210> 17  
<211> 56  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer  
<400> 17  
gagtcattct cgacttgccg ccgctttgat ttccacacctg gtcccttggc cgaacg 56

<210> 18  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer  
<400> 18  
gatgggtcca gtggcggtag cggg 24

<210> 19  
<211> 116  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: H antibody specific  
for ED-B domain of fibronectin

<400> 19  
Gl Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe  
20 25 30

Ser Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
                   85                  90                  95

Ala Lys Pro Phe Pro Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val  
                   100              105                  110

Thr Val Ser Ser  
                   115

<210> 20

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antibody linker

<400> 20

Gly Asp Gly Ser Ser Gly Gly Ser Gly Gly Ala Ser Thr Gly  
           1                  5                  10

<210> 21

<211> 108

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: VL antibody  
                   specific for ED-B domain of fibronectin

<400> 21

Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly  
           1                  5                  10                  15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser  
                   20                  25                  30

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu  
                   35                  40                  45

Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser  
                   50                  55                  60

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu  
                   65                  70                  75                  80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Thr Gly Arg Ile Pro  
                   85                  90                  95

Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
                   100                  105

<210> 22

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 22

Glu Gly Ile Pro Ile Phe Glu Asp Phe Val Asp Ser Ser Val Gly Tyr  
1 5 10 15

<210> 23

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 23

Tyr Thr Val Thr Gly Leu Glu Pro Gly Ile Asp Tyr Asp Ile Ser  
1 5 10 15

<210> 24

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide formula

<400> 24

Asn Gly Gly Glu Ser Ala Pro Thr Thr Leu Thr Gln Gln Thr  
1 5 10

<210> 25

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA construct

<220>

<221> CDS

<222> (10)..(69)

<400> 25

gcggccgca gat gac gat tcc gac gat gac tac aag gac gac gac aag 51  
Asp Asp Asp Ser Asp Asp Tyr Lys Asp Asp Asp Asp Lys  
1 5 10

cac cat cac cat cac cat tag

His His His His His

15 20

<210> 26  
<211> 20

<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide construct

<400> 26

Asp Asp Asp Ser Asp Asp Asp Tyr Lys Asp Asp Asp Asp Lys His His  
1 5 10 15

His His His His  
20

<210> 27

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 27

Ala Ile Ser Gly Ser Gly  
1 5

<210> 28

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 28

Ser Ile Arg Gly Ser Ser  
1 5

<210> 29

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 29

Gly Leu Ser Ile  
1

<210> 30  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 30  
Ser Phe Ser Phe  
1

<210> 31  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 31  
Phe Pro Phe Tyr  
1

<210> 32  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 32  
Asn Gly Trp Tyr Pro Trp  
1 5

<210> 33  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 33  
Gly Gly Trp Leu Pro Tyr  
1 5

<210> 34  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: anti-ED-B  
antibody clone

<400> 34  
Thr Gly Arg Ile Pro Pro  
1 5